The Villages®

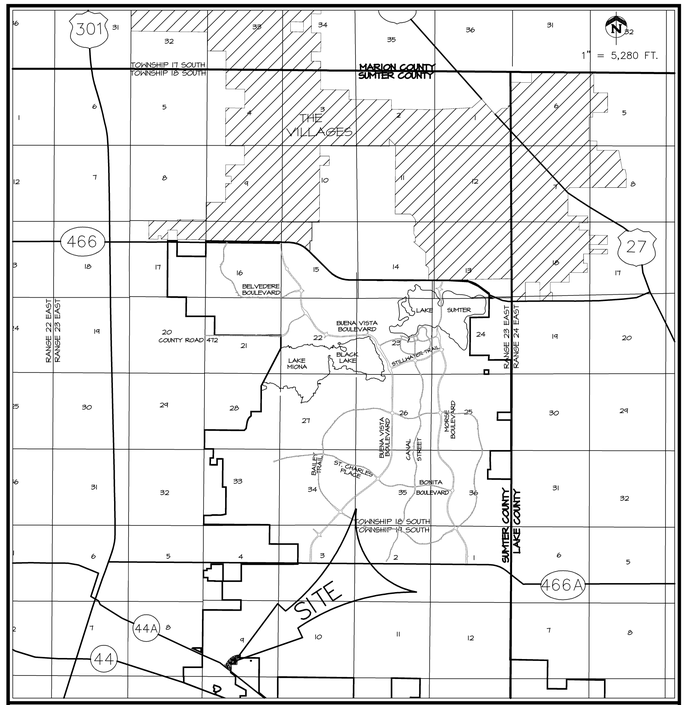
PRELIMINARY / ENGINEERING PLAN OF VILLAGES PUBLIC SAFETY DEPARTMENT FIRE STATION NUMBER 6

LEGAL DESCRIPTION

A PARCEL OF LAND BEING A PORTION OF TRACT "B", VILLAGES OF SUMTER BUENA VISTA BOULEVARD CORRIDOR, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 12, PAGES 1, 1A THROUGH 1D, INCLUSIVE, PUBLIC RECORDS OF SUMTER COUNTY, FLORIDA, BEING DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SAID TRACT "B", ALSO BEING A POINT ON THE NORTHERLY RIGHT OF WAY MAINTENANCE LINE OF COUNTY ROAD 44A PER MAP BOOK 4, PAGE 117; (THENCE RUN THE FOLLOWING 2 COURSES ALONG THE BOUNDARY LINES OF SAID TRACT "B"): THENCE N00°19'30"E, 395.07 FEET; THENCE S89°38'13"E, 69.02 FEET TO THE POINT OF BEGINNING; THENCE DEPARTING SAID BOUNDARY LINES OF SAID TRACT "B" RUN THENCE N00°21'47"E, 46.67 FEET; THENCE N53°25'30"E, 169.41 FEET; THENCE N25°08'17"W, 177.13 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHEAST, HAVING A RADIUS OF 419.05 FEET AND A CHORD BEARING AND DISTANCE OF N55°52'46"E, 19.76 FEET TO WHICH A RADIAL LINE BEARS N35°28'16"W; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 02°42'06", AN ARC DISTANCE OF 19.76 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHEAST, HAVING A RADIUS OF 811.36 FEET AND A CHORD BEARING AND DISTANCE OF N59°52'38"E, 109.33 FEET TO WHICH A RADIAL LINE BEARS N33°59'09"W; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 07°43'34", AN ARC DISTANCE OF 109.41 FEET TO A POINT ON A RADIAL LINE; THENCE ALONG SAID RADIAL LINE N26°15'35"W, 20.30 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTHEAST, HAVING A RADIUS OF 1,223.88 FEET AND A CHORD BEARING AND DISTANCE OF N65°15'38"E, 59.04 FEET TO WHICH A RADIAL LINE BEARS N26°07'17"W; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 02°45'50", AN ARC DISTANCE OF 59.04 FEET TO A POINT ON A RADIAL LINE; THENCE ALONG SAID RADIAL LINE S23°47'45"E, 20.27 FEET TO A POINT ON THE ARC OF A CURVE CONCAVE SOUTH, HAVING A RADIUS OF 916.54 FEET; THENCE EASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 05°42'31", AN ARC DISTANCE OF 91.32 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE SOUTH, HAVING A RADIUS OF 369.47 FEET AND A CHORD BEARING AND DISTANCE OF N70°52'31"E, 22.17 FEET TO WHICH A RADIAL LINE BEARS N20°50'39"W; THENCE EASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 03°26'20", AN ARC DISTANCE OF 22.17 FEET TO A POINT ON THE NORTHERLY EXTENSION OF SAID BOUNDARY LINE OF TRACT "B"; (THENCE RUN THE FOLLOWING 2 COURSES ALONG SAID NORTHERLY EXTENSION AND SAID BOUNDARY LINES OF SAID TRACT "B"): THENCE S00°31'39"W, ALONG A NON-RADIAL LINE A DISTANCE OF 440.26 FEET; THENCE N89°38'13"W, 326.98 FEET TO THE POINT OF BEGINNING.

CONTAINING 2.29 ACRES, MORE OR LESS.



VICINITY MAP

SECTION 9
TOWNSHIP 19 SOUTH; RANGE 23 EAST
SUMTER COUNTY, FLORIDA

INDEX OF SHEETS

THIS PLAN HAS BEEN APPROVED BY THE VILLAGES AND NO CHANGES SHALL OCCUR TO THE LAYOUT, DESIGN OR ANY OTHER ASPECT OF THE PLAN, WITHOUT RESUBMITTAL AND SUBSEQUENT APPROVAL OF ANY REQUESTED REVISIONS. UPON COMPLETION OF THE SITE WORK, THE VILLAGES RESERVES THE ABSOLUTE RIGHT TO REVIEW THE FINISHED CONSTRUCTION AND TO DETERMINE WHETHER THE COMPLETED JOB MEETS THE APPROVED SUBMITTAL PLANS AND SPECIFICATIONS. THE PARCEL DEVELOPER SHALL BE RESPONSIBLE FOR CONTACTING THE VILLAGES TO SPECIFICALLY REQUEST A FINAL INSPECTION. ANY DEFICIENCIES FOUND BY THE VILLAGES WILL BE IDENTIFIED IN WRITING TO THE PARCEL DEVELOPER, WHO SHALL IMMEDIATELY TAKE ALL CORRECTIVE ACTION NECESSARY TO REMEDY ANY DEFICIENCIES. FINAL APPROVAL FROM THE VILLAGES SHALL BE OBTAINED PRIOR TO SUBMITTAL OF THE FINAL CERTIFICATION OF COMPLETION TO SUMTER COUNTY BY THE PROJECT ENGINEER.

THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN "THE VILLAGES CONSTRUCTION DETAILS MANUAL, DATED MAY 1, 2009", PREPARED BY GRANT & DZURO, OR AS AMENDED BY THESE PLANS.

NOTE: ELEVATIONS SHOWN WERE OBTAINED BY SURVEY AND ARE BASED ON THE VILLAGES DATUM. TO OBTAIN N.G.V.D. ADD 3.46 FEET.

OWNER/DEVELOPER:
THE VILLAGES OF LAKE-SUMTER, INC.
990 OLD MILL RUN
THE VILLAGES, FL 32162
JOHN R. GRANT, VICE PRESIDENT

ENGINEER:
FARNER, BARLEY AND ASSOCIATES, INC.
4450 N.E. 83rd ROAD
WILDWOOD, FLORIDA 34785
JEFFREY A. HEAD, P.E.
FLA. LIC. NO. 58058

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

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B-37B
B-37A
B-37E
B-37
B-25W
EVANS PRAIRIE
B-37D
OFF
POWELL ROAD
CARRABELLE VILLAS
B-37C
UNIT 232
UNIT 230
B-36
UNIT 231
B-77A
B-78
POND NO. B-81
B-77
B-42
B-37D
VILLA ION
ELSENHOWER REGIONAL RECREATION CENTER
CR 139
CR 44A
BUENA VISTA BLVD
VILLAGES PUBLIC SAFETY DEPARTMENT FIRE STATION NO. 6
PRE/POST B-39
UNPLATTED
B-82B
B-82A
B-82
B-41
B-80
PRE/POST B-39B
B-83
BROWNWOOD
S.R. 44

N

300 150 0 300 600 900
SCALE IN FEET
1"=300'

REVISIONS

DATE

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

VILLAGES PUBLIC SAFETY
FIRE STATION NUMBER 6

MASTER
DEVELOPMENT PLAN

DATE 3/28/11
DRAWN BY BRP
CHKD BY JAH
FILE NAME F56 MDEV
JOB NO. 921141.2175

SHT. 2 OF 7

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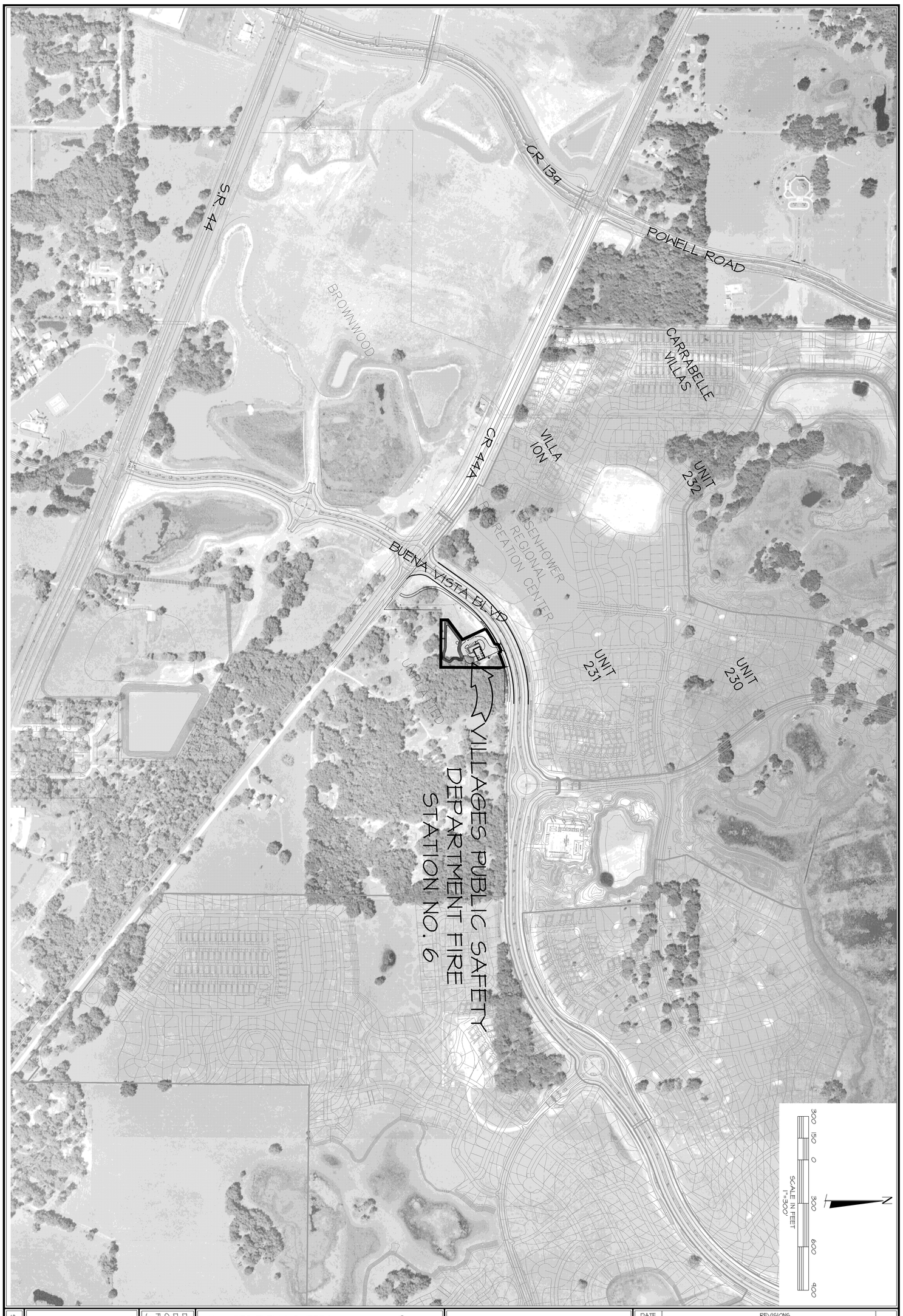


SHT 3 OF 7

DATE 3/28/11
DRAWN BY BBP
CHK'D BY JAH
FILE NAME FS6 AERIAL
JOB NO. 92141.2175

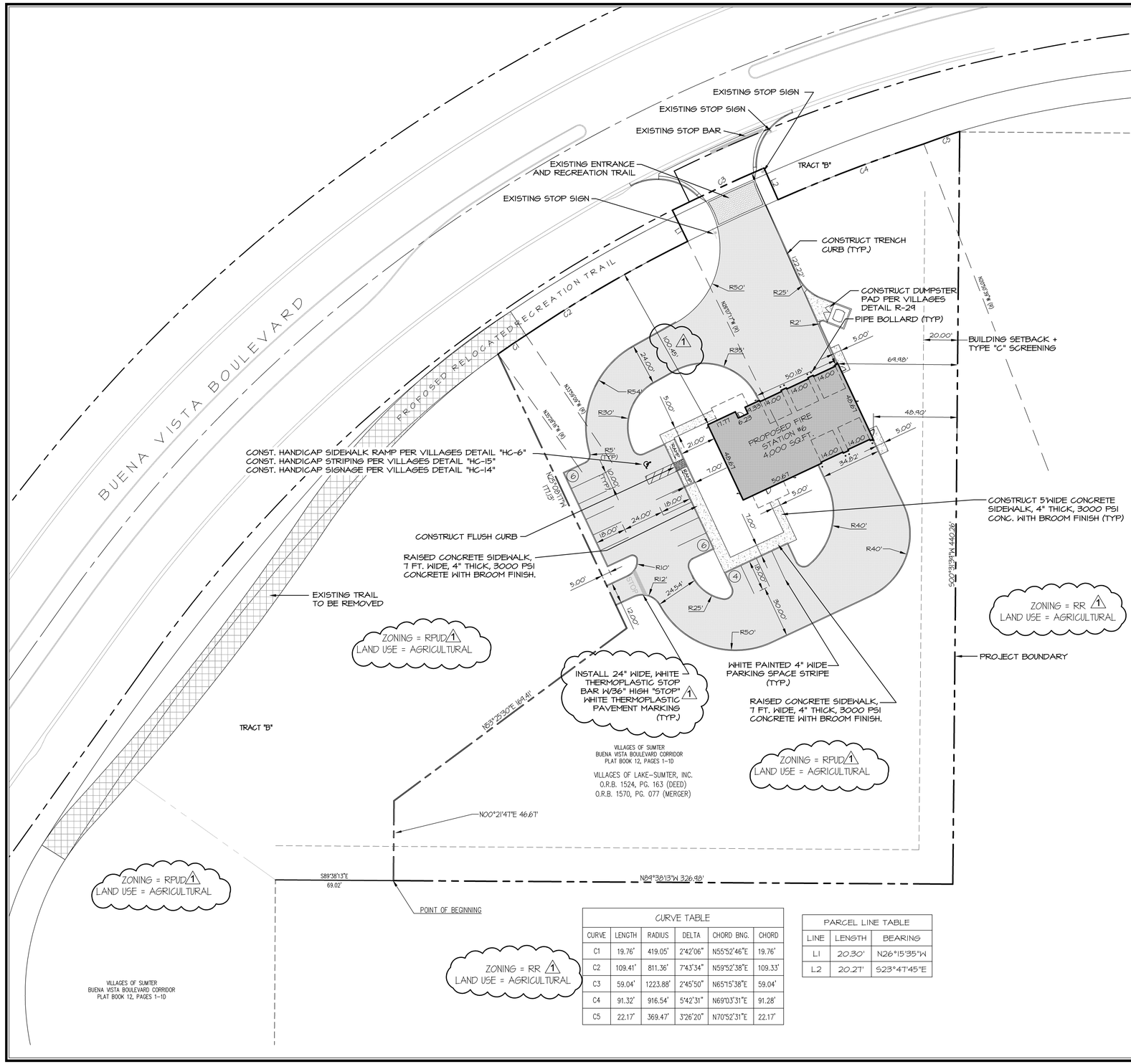
VILLAGES PUBLIC SAFETY
FIRE STATION NUMBER 6

The Villages

AERIAL PHOTOGRAPH

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

DATE	REVISIONS	



30 15 0 30 60 90

SCALE IN FEET
1" = 30'

N

SITE DATA

1. TOTAL ACRES = 2.29 AC. (99,680 SQ. FT.)
2. ZONING = PUD
3. PROJECT ADDRESS - TO BE ASSIGNED
4. BUILDING TYPE:
   FIRE STATION - 1 STORY CONCRETE BLOCK
5. PARKING DATA:
   1 SPACE PER 250 S.F. (REQUIRED) = 16 SPACES

   STANDARD PARKING SPACES (PROVIDED):
   10' x 18' SPACES = 15
   HANDICAP PARKING SPACES (PROVIDED):
   12' x 18' = 1
   TOTAL PARKING PROVIDED: 16 SPACES

   HANDICAP PARKING SPACES (REQUIRED): 1 SPACES
6. ENGINEER/SURVEYOR ~ FARNER BARLEY & ASSOCIATES, INC.
   4450 N.E. 83RD ROAD
   WILDWOOD, FLORIDA 34785
   (352) 748-3126
7. SOIL TYPE - 19 APOPKA FINE SANDS RAPIDLY PERMEABLE SOILS
8. PERMITTING AGENCIES,
   -SUMTER COUNTY -SWFWMD -D.E.P.
9. WATER AND SANITARY SEWER PROVIDED BY CENTRAL SUMTER UTILITY COMPANY.
10. UNDERGROUND ELECTRICAL TRANSMISSION SYSTEM PROVIDED BY SECO
11. SOLID WASTE BY LOCAL FRANCHISE.
12. TELEPHONE SERVICE BY CENTURY LINK.
13. IRRIGATION AND FIRE PROTECTION BY S.W.L.C.A.
14. GAS PROVIDED / SERVICED BY: TECO
15. LOCATED IN SECTION 9, TOWNSHIP 19 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA.
16. AREAS FOR TOTAL SITE (BASED ON FOOTPRINT, NOT INTERIOR SQ. FOOTAGE)

PROPOSED FIRE STATION BUILDING	= 4,000 SQ. FT. (0.09 AC.) 4.0%
PROPOSED SIDEWALKS	= 1,574 SQ.FT. (0.04 AC.) 2.0%
PROPOSED PARKING/DRIVEWAY	= 21,194 SQ. FT. (0.49 AC.) 21.0%
TOTAL IMPERVIOUS AREA	= 28,768 SQ. FT. (0.61 AC.) 27.0%
OPEN AREA	= 72,912 SQ.FT. (1.67 AC.) 73.0%
PROJECT AREA	= 99,680 SQ.FT. (2.29 AC.) 100%

NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ANY EXISTING UTILITIES IN CONFLICT WITH THIS PROPOSED SITE PLAN, AND TO COORDINATE RELOCATION WITH RESPECTIVE UTILITY PROVIDERS.
2. ALL RADII ARE 5' UNLESS INDICATED OTHERWISE.
3. ALL DIMENSION SHOWN ARE TO EOP UNLESS INDICATED OTHERWISE.
4. ALL TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL TRAFFIC FLOW ARROWS, STOP BARS AND TRAFFIC SEPARATION CENTERLINES SHALL BE THERMOPLASTIC PAINT.
6. SITE LIGHTING TO BE PROVIDED BY POLE MOUNTED LIGHT FIXTURES.
7. ALL HANDICAP ACCESSIBLE PARKING SPACES, HANDICAP ACCESSIBLE SIDEWALK ROUTES AND ALL SITE SIDEWALKS ARE NOT TO EXCEED A 2.00% MAXIMUM CROSS SLOPE. IF DURING FINAL BUILDING INSPECTION ANY OF THESE AREAS ARE FOUND EXCEEDING ACCEPTABLE LIMITS (MAX 2.00%) FOR CERTIFICATE OF OCCUPANCY IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO REMOVE AND REPLACE ALL AREAS FOUND TO BE UNACCEPTABLE BY INSPECTOR. THIS WORK SHALL BE COMPLETED WITH NO ADDITIONAL COST TO OWNER AND/OR DESIGNERS.

NOTICE TO CONTRACTOR

1. REFER TO THE GEOTECHNICAL ENGINEERING STUDY PROVIDED FOR CONCLUSION AND RECOMMENDATIONS FOR FOUNDATION SUPPORT AND PAVEMENT DESIGN.
2. BEFORE DIGGING IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE UNDERGROUND UTILITIES LOCATED FOR PROTECTION, SO AS NOT TO DISTURB ANY UTILITIES REMAINING ON AND OFF SITE.

BUILDING SETBACKS

- 0 FT FROM BUENA VISTA BOULEVARD RECREATION TRAIL TRACT
- 15 FT FROM CONTIGUOUS PROPERTY LINE ZONED RESIDENTIAL
- 20 FT FROM PUD BOUNDARY + TYPE "C" SCREENING

LANDSCAPE IRRIGATION NOTES

1. LANDSCAPING FOR THIS SITE SHALL INCORPORATE THE SAME DESIGN CHARACTER, MATERIALS AND QUALITY AS THE EXISTING LANDSCAPING WITHIN THE VILLAGES. ALL WORK SHALL CONFORM WITH THE APPLICABLE CODE REQUIREMENTS OF SUMTER COUNTY.
2. IRRIGATION FOR THIS SITE SHALL PROVIDE 100% AUTOMATIC COVERAGE FOR ALL LANDSCAPED AND SODDED AREAS. ALL WORK SHALL CONFORM WITH THE CODE REQUIREMENTS OF SUMTER COUNTY AND OTHERS, AS APPLICABLE. AN AUTOMATIC RAIN SENSOR SHALL BE INSTALLED WITH THE SYSTEM.
3. ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE, PER STATE GRADES AND STANDARDS.
4. ALL LANDSCAPE AND IRRIGATION SHALL BE DESIGNED BY AND INSTALLED UNDER THE DIRECTION AND APPROVAL OF A FLORIDA-REGISTERED LANDSCAPE ARCHITECT.

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD BNG.	CHORD
C1	19.76'	419.05'	2°42'06"	N55°52'46"E	19.76'
C2	109.41'	811.36'	7°43'34"	N59°52'38"E	109.33'
C3	59.04'	1223.88'	2°45'50"	N65°15'38"E	59.04'
C4	91.32'	916.54'	5°42'31"	N69°03'31"E	91.28'
C5	22.17'	369.47'	3°26'20"	N70°52'31"E	22.17'

PARCEL LINE TABLE

LINE	LENGTH	BEARING
L1	20.30'	N26°15'35"W
L2	20.27'	S23°47'45"E

BY	REVISIONS	DATE
BRP	SUMTER COUNTY COMMENTS DATED 5/9/11	5/23/11

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages Florida

VILLAGES PUBLIC SAFETY
FIRE STATION NO. 6

SITE PLAN

DATE 3/28/11
DRAWN BY BRP
CHKD BY JAH
FILE NAME FS6 Site
JOB NO. 921141.2175

SHT. 4 OF 7

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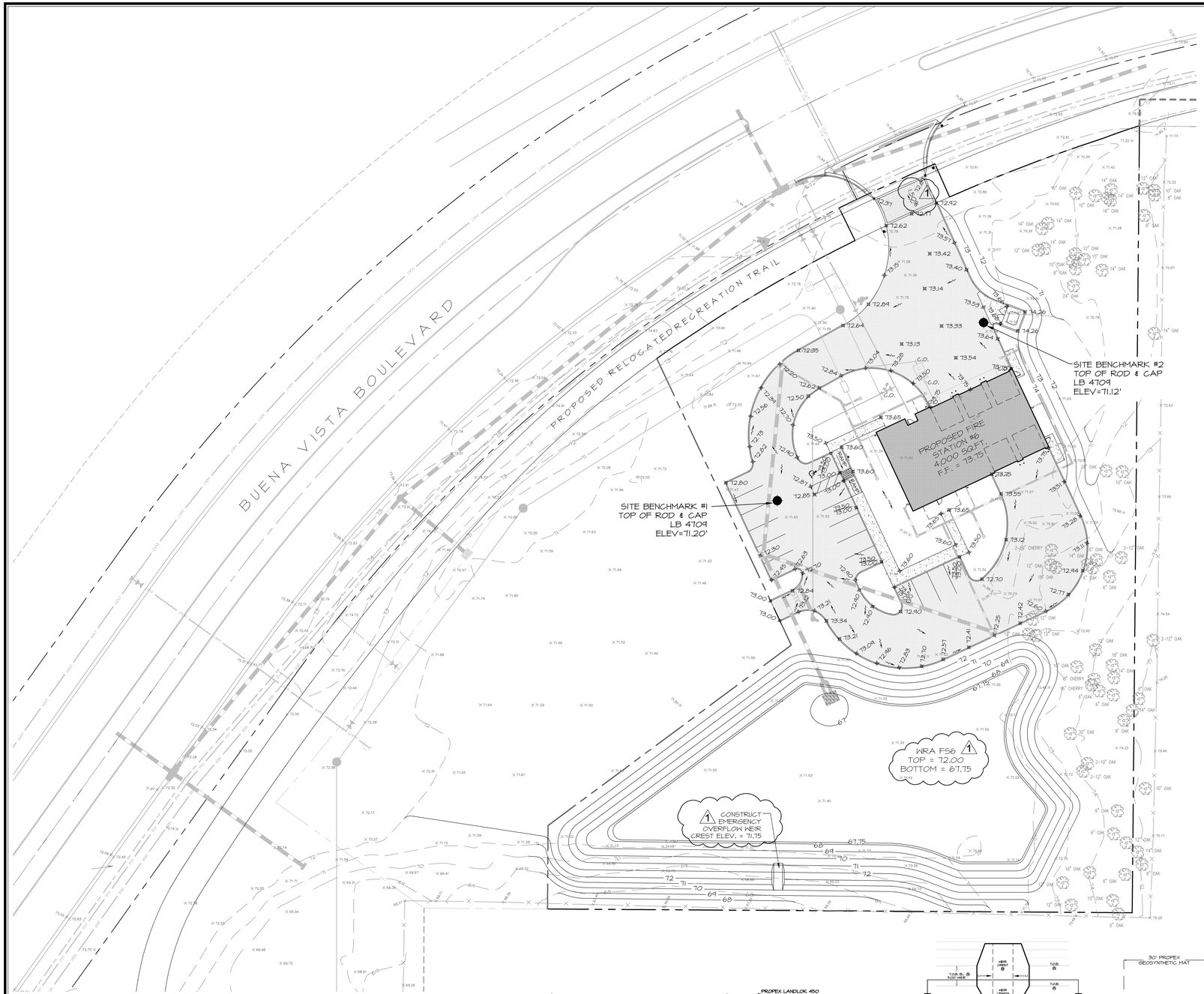


30 15 0 30 60 90

SCALE IN FEET
1"=30'

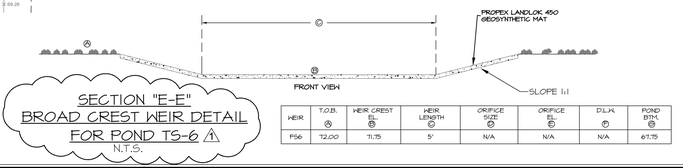
ROTATE

LEGEND

- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED PAVEMENT ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED PAVEMENT ELEVATION
- EXISTING ELEVATION
- DIRECTION OF DRAINAGE

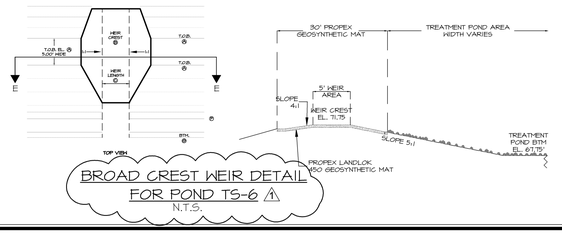
NOTES:

1. ELEVATIONS SHOWN ARE BASED ON THE VILLAGES DATUM. TO OBTAIN N.G.V.D. ADD 3.46 FEET.
2. ALL PROPOSED ELEVATIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. THE STANDARD DETAILS FOR THIS PROJECT SHALL BE FOUND IN "THE VILLAGES CONSTRUCTION DETAILS, MAY 1, 2009" PREPARED BY GRANT & DZURO OR AS AMENDED BY THESE PLANS.
4. GENERALIZED BERM INFORMATION NOT PROVIDED. FINAL GRADING SHALL BE DONE UNDER THE DIRECTION OF LANDSCAPE ARCHITECT. SEE LANDSCAPE PLAN FOR BERM LOCATIONS AND SIZE.
5. ALL HANDICAP ACCESSIBLE PARKING SPACES, HANDICAP ACCESSIBLE SIDEWALK ROUTES AND ALL SITE SIDEWALKS ARE NOT TO EXCEED A 2.00% MAXIMUM CROSS SLOPE. IF DURING FINAL BUILDING CERTIFICATION ANY OF THESES AREAS ARE FOUND EXCEEDING ACCESSIBILITY LIMITS (MAXIMUM 2.00%) FOR CERTIFICATE OF OCCUPANCY IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO REMOVE AND REPLACE ALL AREAS FOUND TO BE UNACCEPTABLE BY INSPECTOR. THIS WORK SHALL BE COMPLETED WITH NO ADDITIONAL COST TO OWNER AND/OR DESIGNERS.

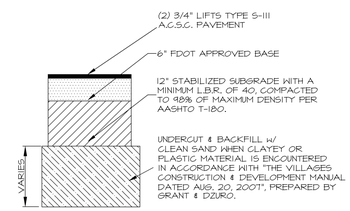


SECTION "E-E"
BROAD CREST WEIR DETAIL
FOR POND TS-6 1
N.T.S.

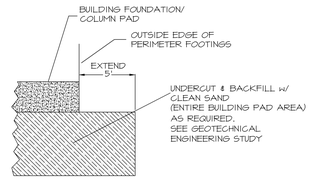
WEIR	T.O.B. Ⓐ	WEIR CREST EL. Ⓑ	WEIR LENGTH Ⓒ	ORIFICE SIZE Ⓓ	ORIFICE EL. Ⓔ	D.I.H. Ⓕ	POND BTM. Ⓖ
FS6	72.00	71.75	5'	N/A	N/A	N/A	67.75



BROAD CREST WEIR DETAIL
FOR POND TS-6 1
N.T.S.



PARKING LOT
PAVEMENT SECTION



BUILDING PAD
SECTION

DATE	REVISIONS	BY
5/23/11	1 SUMTER COUNTY COMMENTS DATED 5/9/11	BRP

FARNER BARLEY
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS
AND ASSOCIATES, INC.
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

VILLAGES PUBLIC SAFETY
FIRE STATION NUMBER 6

GRADING & DRAINAGE PLAN

DATE 3/28/11
DRAWN BY BRP
CHKD BY JAH
FILE NAME FS6 Grade
JOB NO. 921141.2175

SHT. 5 OF 7

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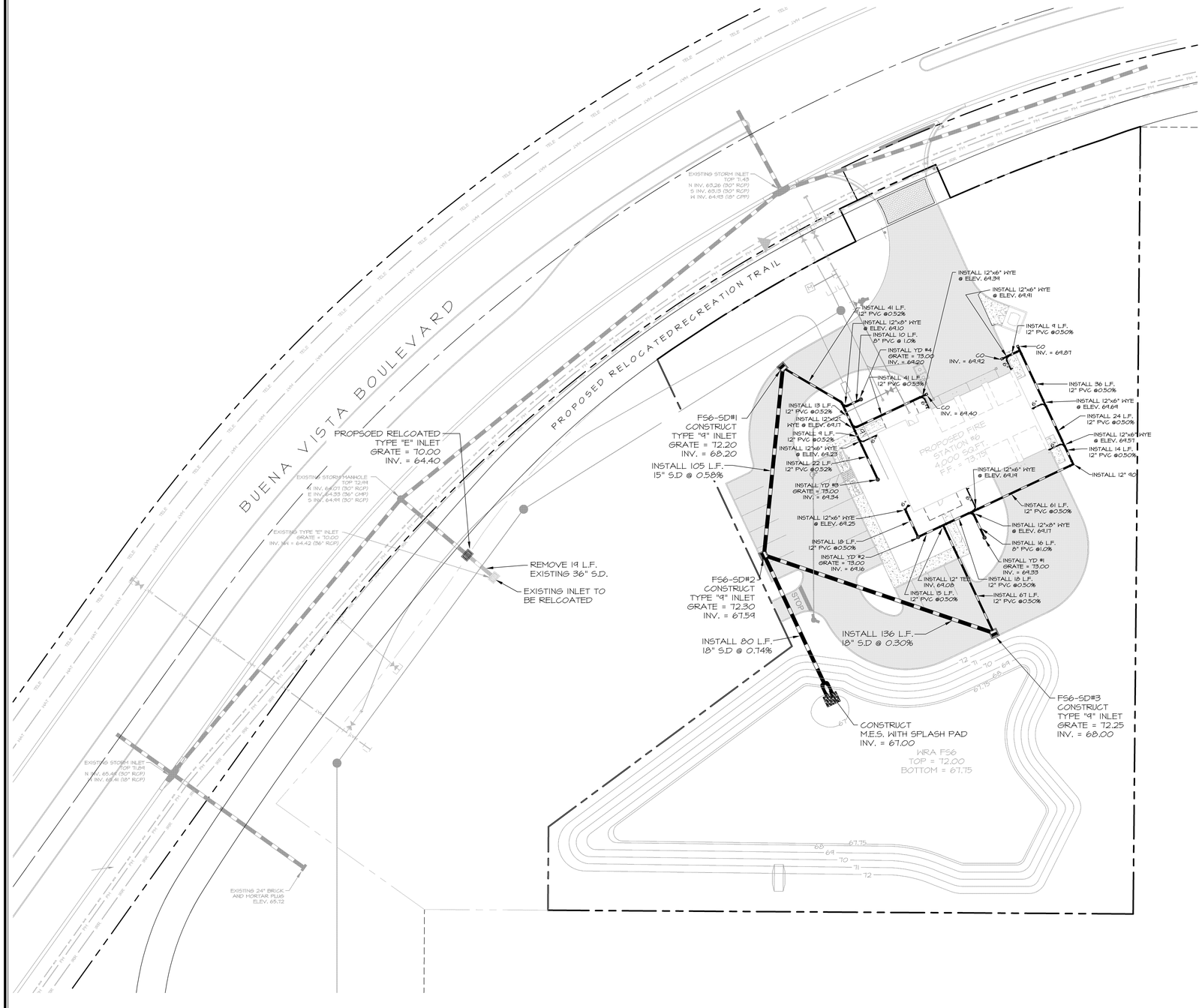

30 15 0 30 60 90

SCALE IN FEET
1"=30'

ROTATE

LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING INLET
- PROPOSED INLET
- PROPOSED YARD DRAIN

NOTE: DRAINAGE PIPING:
- (S.D.) STORM DRAINAGE PIPE
- (R.D.) ROOF DRAIN PIPE
- (Y.D.) YARD DRAIN PIPE

SHALL BE F.D.O.T. APPROVED AND OF ONE OF THE FOLLOWING MATERIALS:

- P.V.C. SDR35 OR A2000
- REINFORCED CONCRETE
- HDPE

DATE	REVISIONS	BY

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

VILLAGES PUBLIC SAFETY
FIRE STATION NUMBER 6

STORMWATER DRAINAGE PLAN

DATE
DRAWN BY BRP
CHKD BY JAH
FILE NAME F56 Storm
JOB NO. 921141.2175

SHT. 6 OF 7

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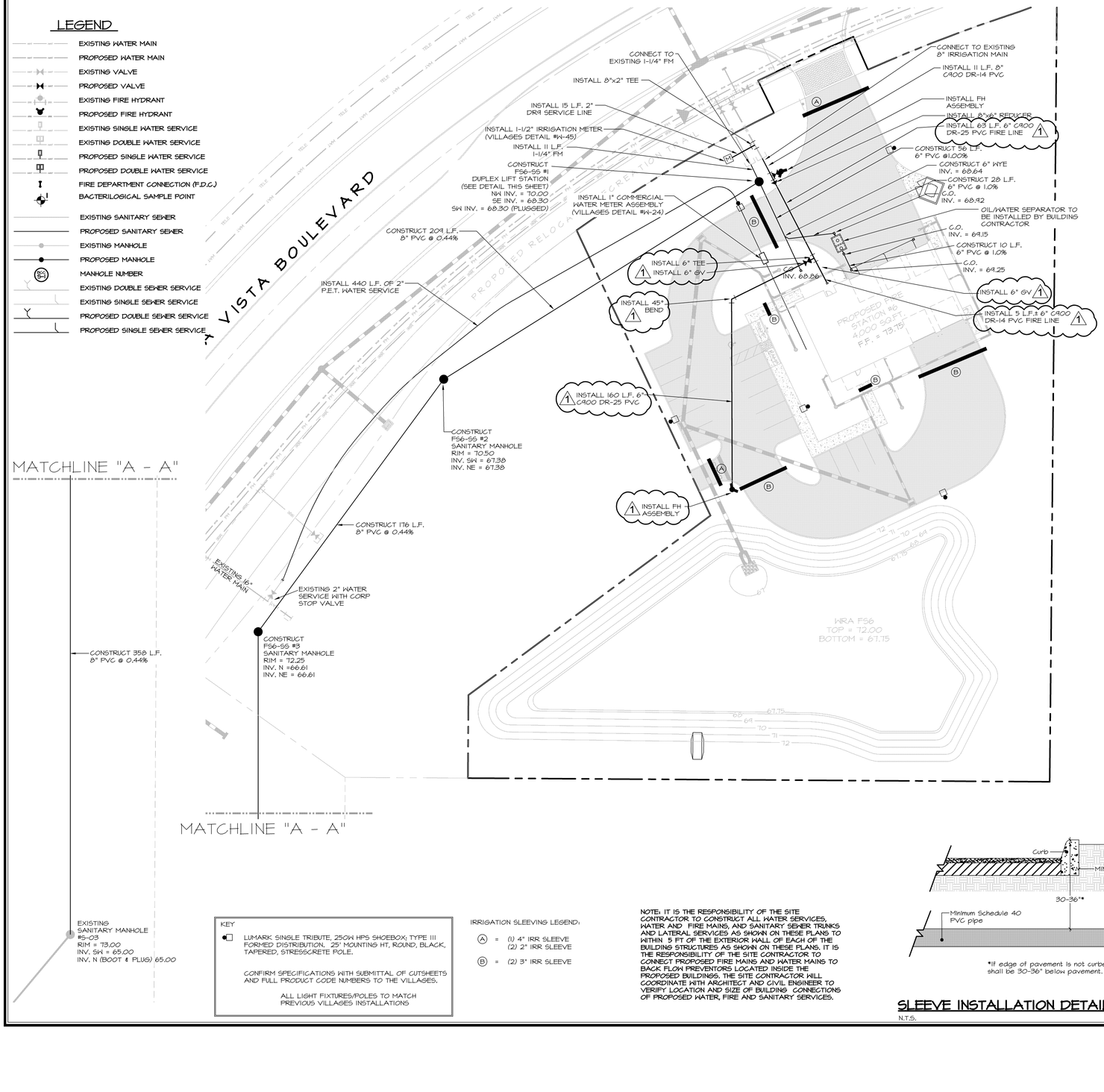
LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING VALVE
- PROPOSED VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING SINGLE WATER SERVICE
- EXISTING DOUBLE WATER SERVICE
- PROPOSED SINGLE WATER SERVICE
- PROPOSED DOUBLE WATER SERVICE
- FIRE DEPARTMENT CONNECTION (F.D.C.)
- BACTERILOGICAL SAMPLE POINT
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING MANHOLE
- PROPOSED MANHOLE
- MANHOLE NUMBER
- EXISTING DOUBLE SEWER SERVICE
- EXISTING SINGLE SEWER SERVICE
- PROPOSED DOUBLE SEWER SERVICE
- PROPOSED SINGLE SEWER SERVICE



KEY

LUMARK SINGLE TRIBUTE, 250W HPS SHOEBOX; TYPE III FORMED DISTRIBUTION, 25' MOUNTING HT, ROUND, BLACK, TAPERED, STRESSCRETE POLE.

CONFIRM SPECIFICATIONS WITH SUBMITTAL OF CUTSHEETS AND FULL PRODUCT CODE NUMBERS TO THE VILLAGES.

ALL LIGHT FIXTURES/POLES TO MATCH PREVIOUS VILLAGES INSTALLATIONS

IRRIGATION SLEEVING LEGEND:

(A) = (1) 4" IRR SLEEVE
(2) 2" IRR SLEEVE

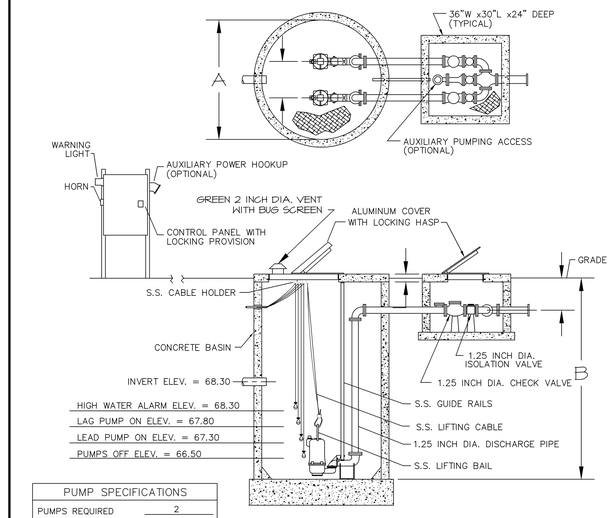
(B) = (2) 3" IRR SLEEVE

NOTE: IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO CONSTRUCT ALL WATER SERVICES, WATER AND FIRE MAINS, AND SANITARY SEWER TRUNKS AND LATERAL SERVICES AS SHOWN ON THESE PLANS TO WITHIN 5 FT OF THE EXTERIOR WALL OF EACH OF THE BUILDING STRUCTURES AS SHOWN ON THESE PLANS. IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO CONNECT PROPOSED FIRE MAINS AND WATER MAINS TO BACK FLOW PREVENTORS LOCATED INSIDE THE PROPOSED BUILDINGS. THE SITE CONTRACTOR WILL COORDINATE WITH ARCHITECT AND CIVIL ENGINEER TO VERIFY LOCATION AND SIZE OF BUILDING CONNECTIONS OF PROPOSED WATER, FIRE AND SANITARY SERVICES.

30 15 0 30 60 90

SCALE IN FEET
1"=30'

NORTH



PUMP SPECIFICATIONS	
PUMPS REQUIRED	2
MANUFACTURER	HYDROMATIC
MODEL NUMBER	HPG 200
PUMP SIZE	2HP
CAPACITY EACH (GPM)	20
TOTAL HEAD (FEET)	30.29
IMPELLER DIAMETER	4.25"
MOTOR HP REQUIRED	2
SPEED (RPM)	3450
ELECTRICAL	50 Hz

TANK	
A (DIA.)	B (HEIGHT)
4.0'	9.0'

CLEARANCE REQUIREMENTS POTABLE WATER/ SANITARY, STORM SEWER RECLAIMED WATER AND NON-POTABLE IRRIGATION PIPING

VERTICAL SEPARATION. BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAIN, RECLAIMED WATER PIPELINES.

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

2. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

3. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS 1 AND 2 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORMSEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

4. SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES.

A. NO WATER MAIN SHALL PASS THROUGH, OR COME IN CONTACT WITH, ANY PART OF A SANITARY MANHOLE.
B. WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

5. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:

A. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN, AND
B. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.

HORIZONTAL SEPARATION. BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAIN, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

2. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.

3. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PARTIII OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

4. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6002, F.A.C.

5. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN OTHER PIPELINE:

A. USE OF PRESSURE-RATED PIPE CONFORMING TO THE AMERICAN WATER WORKS ASSOCIATION STANDARDS INCORPORATED INTO RULE 62-555.330, F.A.C., FOR THE OTHER PIPELINE IF IT IS GRAVITY-OR VACUUM-TYPE PIPELINE;
B. USE WELDED, FUSED OR OTHERWISE RESTRAINED JOINTS FOR EITHER WATER MAIN OR THE OTHER PIPELINE; OR
C. USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE.

*If edge of pavement is not curbed, sleeve shall be 30-36" below pavement.

SLEEVE INSTALLATION DETAIL

N.T.S.

DATE	REVISIONS	BY
5/23/11	SUMTER COUNTY COMMENTS DATED 5/9/11	BRP

FARNER BARLEY AND ASSOCIATES, INC.
▲ ENGINEERS ▲ SURVEYORS ▲ PLANNERS
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

VILLAGES PUBLIC SAFETY FIRE STATION NUMBER 6

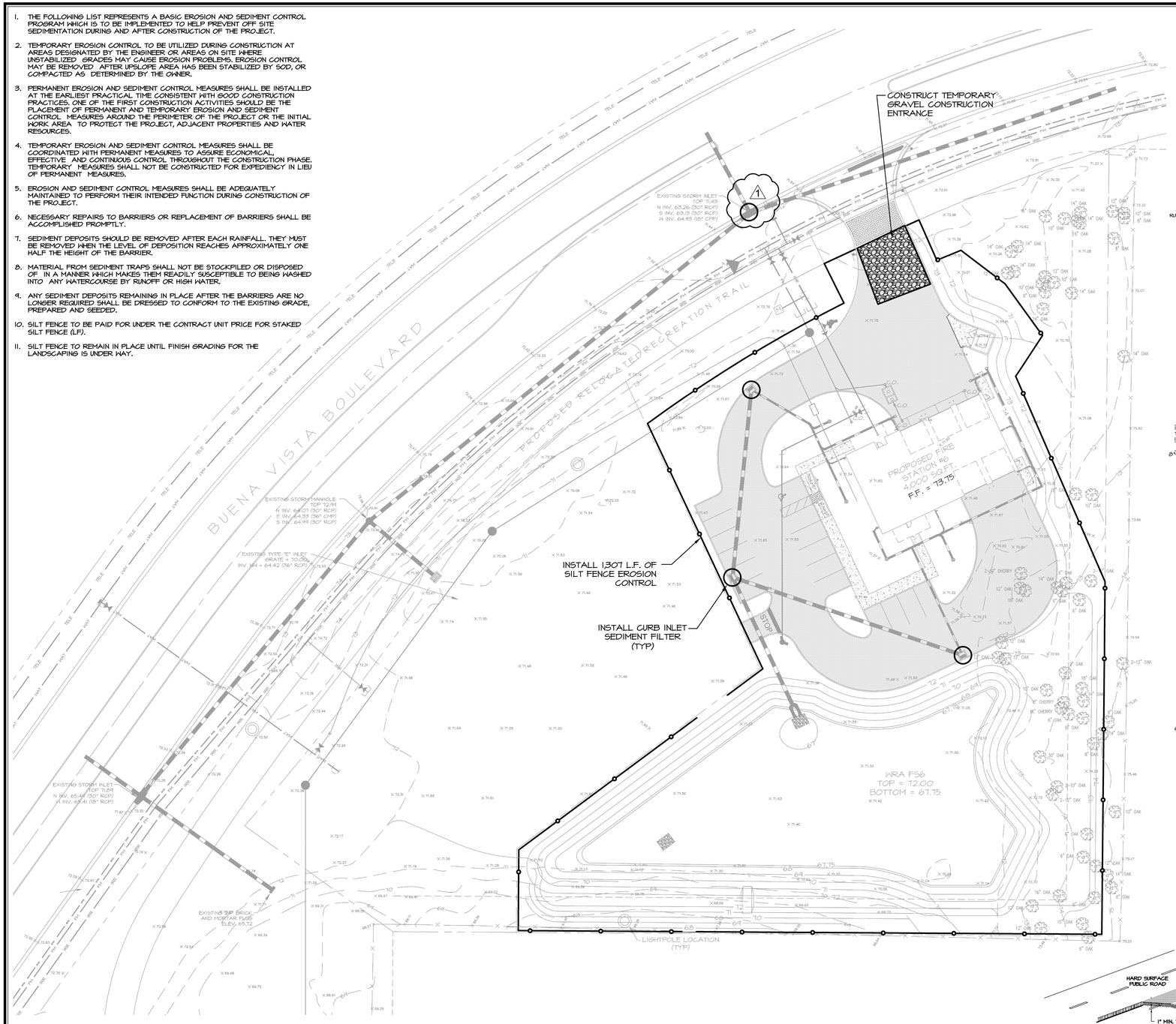
UTILITY PLAN

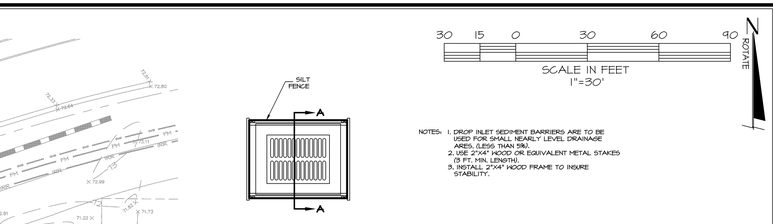
DATE 3/28/11
DRAWN BY BRP
CHKD BY JAH
FILE NAME FS6 UTIL
JOB NO. 921141.2175

SHT. 7 OF 7

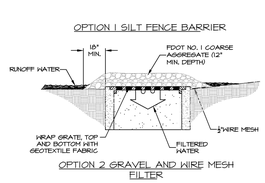
S:\SUMTER\SITEPLANS\Villages Public Safety Dept #6\CIVIL\CONSTRUCTION\007 FS6 Util.dwg, 5/25/2011 8:59:20 AM

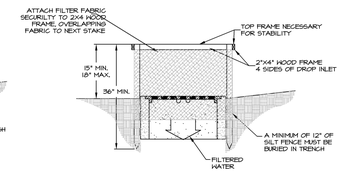
1. THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.
2. TEMPORARY EROSION CONTROL TO BE UTILIZED DURING CONSTRUCTION AT AREAS DESIGNATED BY THE ENGINEER OR AREAS ON SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD, OR COMPACTED AS DETERMINED BY THE OWNER.
3. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICAL TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.
4. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.
6. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.
7. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
8. MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATERCOURSE BY RUNOFF OR HIGH WATER.
9. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
10. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).
11. SILT FENCE TO REMAIN IN PLACE UNTIL FINISH GRADING FOR THE LANDSCAPING IS UNDER WAY.



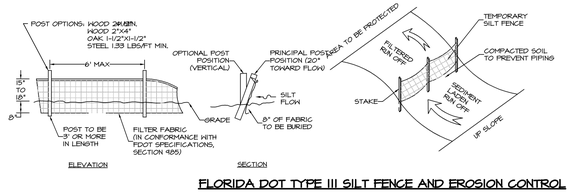


NOTES: 1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL DRAINAGE AREA, (LESS THAN 5%).
2. USE 2"X4" HOOD OR EQUIVALENT METAL STAKES (3 FT. MIN. LENGTH).
3. INSTALL 2"X4" HOOD FRAME TO INSURE STABILITY.

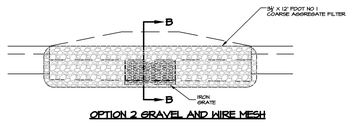




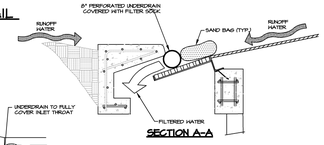
DROP INLET SEDIMENT FILTER DETAIL TYPE B

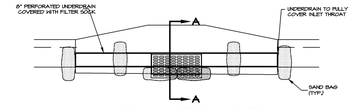


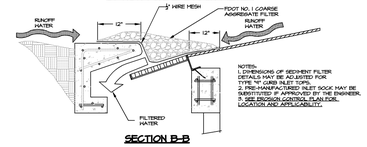
FLORIDA DOT TYPE III SILT FENCE AND EROSION CONTROL

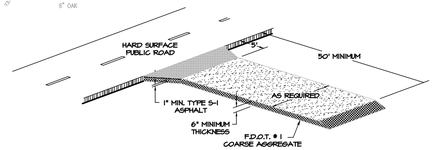


CURB INLET SEDIMENT FILTER DETAIL TYPE A









GRAVEL CONSTRUCTION ENTRANCE

N.T.S.

THE EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE, IN THE OPINION OF THE ENGINEER, THE MINIMUM THAT MAY BE REQUIRED. ACTUAL FIELD CONDITIONS MAY REQUIRE EITHER ADDITIONAL OR REDUCED EROSION CONTROL MEASURES TO BE IMPLEMENTED. THE CONTRACTOR IS DIRECTED TO FOLLOW STANDARD BEST MANAGEMENT PRACTICES IN IMPLEMENTING A SUCCESSFUL EROSION CONTROL PLAN.

BRETT J. TOBIAS, P.E.
REGISTERED ENGINEER NO. 69017
STATE OF FLORIDA

JOHN R. GRANT
VICE PRESIDENT
THE VILLAGES OF LAKE-SUMTER, INC.

DATE	REVISIONS	BY
5/23/11	SUMTER COUNTY COMMENTS DATED 5/9/11	BRP

FARNER BARLEY
▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS
AND ASSOCIATES, INC.
Certificate of Authorization Number: 4709
4450 N.E. 83rd Road ○ Wildwood, Florida 34785 ○ (352) 748-3126

The Villages

VILLAGES PUBLIC SAFETY
FIRE STATION NUMBER 6

EROSION CONTROL PLAN

DATE
DRAWN BY BRP
CHKD BY JAH
FILE NAME F56 Erosion
JOB NO. 92141.2175

SHT. E-1 OF E-1

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